Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/06/2019 09:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125541	0	2.69	125606	2.80
Blue	F	SSC	125000	122811	-2	4.39	123759	4.36
Blue	E	FITC	16694	16595	-1	4.28	384	22.72
Blue	D	PE	32792	32465	-1	3.58	714	16.81
Blue	B	PerCP-Cy5-5	44451	44166	-1	5.01	1210	23.63
Blue	A	PE-Cy7	33645	33883	0	7.46	608	49.54
Red	C	APC	47008	46617	-1	3.11	1805	13.63
Red	A	APC-Cy7	32298	31770	-2	3.02	799	14.15
Violet	B	V450	8961	8557	-5	4.83	509	15.52
Violet	A	V500	32726	31083	-6	4.60	755	11.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20753	5.97	612	-1	N/A	N/A	Pass
Blue	F	SSC	55460	3.96	583	15	N/A	N/A	Pass
Blue	E	FITC	63	75.85	570	7	0.0147	162	Pass
Blue	D	PE	141	57.14	574	8	0.1172	238	Pass
Blue	B	PerCP-Cy5-5	219	59.70	679	8	0.0071	97	Pass
Blue	A	PE-Cy7	116	129.49	735	9	0.0087	37	Pass
Red	C	APC	412	29.22	615	2	0.0184	132	Pass
Red	A	APC-Cy7	197	31.83	586	1	0.0045	1043	Pass
Violet	B	V450	85	61.28	480	-6	0.0279	1468	Pass
Violet	A	V500	109	39.74	490	-6	0.0178	1026	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.69	-32.31	1.13
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.47
Red	16.69	13.60 - 20.40	N/A	N/A	29.56	29.86	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12636

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments